



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **A-Tower**

Site Number:	1001	TEOM Installed?:	No		
County:	Inyo	Monitor Type:			
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	416353
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4041390

Location:	North-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	2.2 km north to Hwy 136.		
Traffic Count:	TBD		
Groundcover:	Course sands		
Representative Area:	North-central Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	8/8/1990
Sampling Method:	N/A	Operation Schedule:	5 minute
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☒ Variable: Precipitation

☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☒ Variable: Relative Humidity



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Site Name: **A-Tower**

Site Photo:

North-  
facing  
photo:

East-facing  
photo:

West-  
facing  
photo:

South-  
facing  
photo:



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
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760.872.8211 / <http://www.gbuapcd.org>

Site Name: **B-Tower**

Site Number:	1018	TEOM Installed?:	No		
County:	Inyo	Monitor Type:			
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	418496
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4029494

Location:	Southeast Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	3 km SE to Hwy 190		
Traffic Count:	TBD		
Groundcover:	Course sands		
Representative Area:	South-eastern Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	1/5/1995
Sampling Method:	N/A	Operation Schedule:	5 minute
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☒ Variable: Precipitation

☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☒ Variable: Relative Humidity



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Site Name: **B-Tower**

Site Photo:

North-  
facing  
photo:

East-facing  
photo:

West-  
facing  
photo:

South-  
facing  
photo:



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
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Site Name: **Coso Junction TEOM**

Site Number:	696	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	1001	Site Operator:	Dan Johnson	UTM X:	414978
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	3989840

Location:	Hwy 395 at Gill Station - Coso Road		
Address:	3 Gill Station Rd, Olancho, CA 93549		
Distance to Road:	0.2 km to Gill Station Road		
Traffic Count:	TBD		
Groundcover:	Dirt, gravel, brush		
Representative Area:	Regional		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented, Pollutant Transport		
Spatial Scale:	Neighborhood Scale	Start Date:	5/10/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	1:1
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.5 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	20 meters to tower		
Distance From Trees:	0.5 km		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☒ Variable: Precipitation ☒ Variable: Relative Humidity



## GBUAPCD Site Report

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Site Name: **Coso Junction TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
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760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Cottonwood**

Site Number:	7491	TEOM Installed?:	No		
County:	Inyo	Monitor Type:			
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Scott Weaver	UTM X:	411799
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4028440

Location:	South-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	3 km to Hwy 395 (west)		
Traffic Count:	TBD		
Groundcover:	Course sand		
Representative Area:	Central Owens Lake		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	5/17/2001
Sampling Method:	N/A	Operation Schedule:	5 minute
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/AN/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☒ Variable: Wind Speed

☒ Variable: Wind Direction

☐ Variable: Relative Humidity



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Site Name: **Cottonwood**

Site Photo:

North-  
facing  
photo:

East-facing  
photo:

West-  
facing  
photo:

South-  
facing  
photo:



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
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Site Name: **Dirty Socks TEOM**

Site Number:	1010	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0022	Site Operator:	Steve Mobley	UTM X:	414272
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4020550

Location:	South shore, Owens Lake		
Address:	DIRTY SOX HOT SPRING - HWY 190, Owens Lake, CA		
Distance to Road:	402 meters to Hwy 190		
Traffic Count:	TBD		
Groundcover:	Gravel, sand, water, small shrubs		
Representative Area:	South shore, Owens Lake		
Pollutant:	PM10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	6/23/1999
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.2 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	10.0 (Met) - 14.6 meters (powerline)		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/17/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

- ☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



## GBUAPCD Site Report

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Site Name: **Dirty Socks TEOM**

Site Photo:



North-  
facing  
photo:



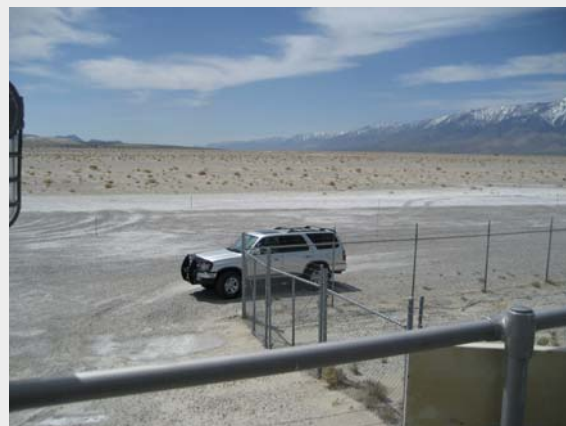
East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
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Site Name: **Flat Rock TEOM**

Site Number:	1011	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0024	Site Operator:	Steve Mobley	UTM X:	424989
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4030860

Location:	Eastern shore, Owens Lake		
Address:	FLAT ROCK - HIGHWAY 190 - 1 MILE W OF HWY 136 JUNCTION, Owens Lake, CA		
Distance to Road:	54.8 meters to Hwy 190		
Traffic Count:	TBD		
Groundcover:	Sand, rocks, shrubs		
Representative Area:	East shore, Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	12/14/2000
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.2 meters		
Distance to Supporting Structure:	0		
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	2.4 m (MET); 3.8 meters (powerline)		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/17/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

- ☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



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Site Name: **Flat Rock TEOM**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





# GBUAPCD Site Report

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157 Short Street  
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760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Keeler MET**

Site Number:	697	TEOM Installed?:	No		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	1002	Site Operator:	Scott Weaver	UTM X:	421739
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4038590

Location:	Northeast of Keeler, CA		
Address:	Keeler, CA		
Distance to Road:	75 meters		
Traffic Count:	3/day		
Groundcover:	sand/brush		
Representative Area:	Community of Keeler		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	3/14/1985
Sampling Method:	N/A	Operation Schedule:	5 minute
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	20 meters to trees		
Distance From Trees:	20 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	N/A		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☒ Variable: Precipitation

- ☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



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Site Name:

**Keeler MET**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
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Site Name: **Keeler#1 PM2.5 FDMS**

Site Number:	728	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab w/8500cPM2.5, EQPM-0609-181; Partisol, 2025 PM2.5 VSCC EQPM-0202-145		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:	1003	Site Operator:	Scott Weaver	UTM X:	421982
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4038410

Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	20 meters		
Traffic Count:	TBD		
Groundcover:	Pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-2.5		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	9/10/2009 9:00:00 PM
Sampling Method:	PM-10 Impactor and VSCC	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4 meters		
Distance to Supporting Structure:			
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	10 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.7 meters to 2.5 pri partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	Yes		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

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Site Name: **Keeler#1 PM2.5 FDMS**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Keeler#2 PM10 1° TEOM**

Site Number:	728	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079, Partisol 2025 PM10, RFPS-1298-127		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:	1003	Site Operator:	Scott Weaver	UTM X:	421982
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4038410

Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	19 meters		
Traffic Count:	TBD		
Groundcover:	Pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	3/11/1993 3:00:00 PM
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4 meters		
Distance to Supporting Structure:	None		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	9 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.7 meters to collocated TEOM (#3); 1.17 m to 10pri Partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



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Site Name:

**Keeler#2 PM10 1° TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
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Site Name: **Keeler#3 PM10 2° TEOM**

Site Number:	728	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079, Partisol 2025 PM10, RFPS-1298-127		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:	1003	Site Operator:	Scott Weaver	UTM X:	421982
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4038410

Location:	Located on top of metal storage unit and monitoring shelter.		
Address:	190 CERRO GORDO ROAD, KEELER, CA		
Distance to Road:	18 meters		
Traffic Count:	TBD		
Groundcover:	pavement		
Representative Area:	Community of Keeler		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood	Start Date:	6/15/2009
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4 meters		
Distance to Supporting Structure:	None		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	10 meters to antennae		
Distance From Trees:	75 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	1.14 m to primary TEOM (#2); 1.14 m to 10pri Partisol		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	yes		
Frequency of flow rate verification for manual PM sampler audit:	Monthly Partisol 6/16/2009, 3/23/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☐ Variable: Temperature ☐ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☐ Variable: Wind Direction  
☐ Variable: Precipitation ☐ Variable: Relative Humidity



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Site Name:

**Keeler#3 PM10 2° TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
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Site Name: **Lee Vining**

Site Number:	779	TEOM Installed?:	No		
County:	Mono	Monitor Type:	Partisol 2025 PM10, RFPS-1298-127		
FIPS Code:	06-051	Met Installed?:	No		
AIRS Number:	0005	Site Operator:	Guy Davis	UTM X:	314232
Current:	No	Collecting Agency:	GBUAPCD	UTM Y:	4202840

Location:	Community of Lee Vining, CA		
Address:	HWY 395, LEE VINING		
Distance to Road:	84 m to Hwy 395; 179 m to Matty Ave.		
Traffic Count:	TBD		
Groundcover:	Lawn (north); Gravel (south)		
Representative Area:	Lee Vining, CA		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	1/1/1981
Sampling Method:	PM-10 Impactor	Operation Schedule:	1:3
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	3 meters AGL		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	19.8 m		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	Monthly by Station Operator; EPA 10/8/2009, 3/25/2010		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lee Vining**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lizard Tail TEOM**

Site Number:	1016	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0028	Site Operator:	Scott Weaver	UTM X:	415701
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4044610

Location:	Owens Lake NE Shoreline		
Address:	Lizard Tail - NE Shoreline Owens Lake, CA		
Distance to Road:	275 meters		
Traffic Count:	TBD		
Groundcover:	Sand and shrubs		
Representative Area:	4 km area		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	1/16/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	2 meters above roof; 4.6 meters AGL.		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	Met tower: 4.6 meters; power pole 9.1 meters		
Distance From Trees:	N/A; no trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☐ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Lizard Tail TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lone Pine FDMS**

Site Number:	699	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	PM10 TEOM 1400 ab/8500c FDMS - not a reference monitor		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:	0004	Site Operator:	Scott Weaver	UTM X:	405400
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4052020

Location:	Southern Inyo Hospital		
Address:	501 East Locust Rd, Lone Pine, CA		
Distance to Road:	65 meters		
Traffic Count:	TBD		
Groundcover:	rooftop, asphalt roofing		
Representative Area:	Community of Lone Pine		
Pollutant:	PM-10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	4/17/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	2.6 meters above roof; 6.5 m AGL		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	30 meters		
Distance from Obstructions Not on Roof:	29 meters		
Distance From Trees:	29 meters		
Distance to Furnace or Incinerator:	65 meters		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☐ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

- ☐ Variable: Wind Speed  
☐ Variable: Wind Direction  
☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lone Pine FDMS**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lone Pine MET**

Site Number:	711	TEOM Installed?:	No		
County:	Inyo	Monitor Type:			
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0019	Site Operator:	Scott Weaver	UTM X:	406300
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4051850

Location:	Lone Pine Wastewater Treatment Plant		
Address:	OUT AT THE SEWER PONDS ONE MILE E OF LOCUST ST		
Distance to Road:	30 meters		
Traffic Count:	1 per week		
Groundcover:	dirt and grass		
Representative Area:	rural area east of Lone Pine		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	5/14/1986
Sampling Method:	N/A	Operation Schedule:	5 minutes
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	40 meters to phone pole		
Distance From Trees:	100 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Lone Pine MET**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Mammoth FDMS**

Site Number:	785	TEOM Installed?:	Yes		
County:	Mono	Monitor Type:	PM10 TEOM 1400ab/8500c FDMS		
FIPS Code:	06-051	Met Installed?:	Yes		
AIRS Number:	0001	Site Operator:	Guy Davis	UTM X:	325914
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4168600

Location:	Town of Mammoth Lakes, CA		
Address:	Gateway Home Center, Mammoth Lakes, CA		
Distance to Road:	30.5 meters		
Traffic Count:	TBD		
Groundcover:	Urban; asphalt composite roof and pavement		
Representative Area:	Town of Mammoth Lakes		
Pollutant:	PM10		
Monitor Objective:	Population Oriented		
Spatial Scale:	Neighborhood Scale	Start Date:	1/1/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	FDMS: 4 meters above roof; Partisol: 3 meters above roof; (roof at ~10m)		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	30.5 meters (at 55 degrees and 180 degrees)		
Distance From Trees:	40 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	Monthly - partisol by Station Operator; EPA 10/8/2009, 3/25/2010		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 10/14/2009, 3/25/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

- ☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



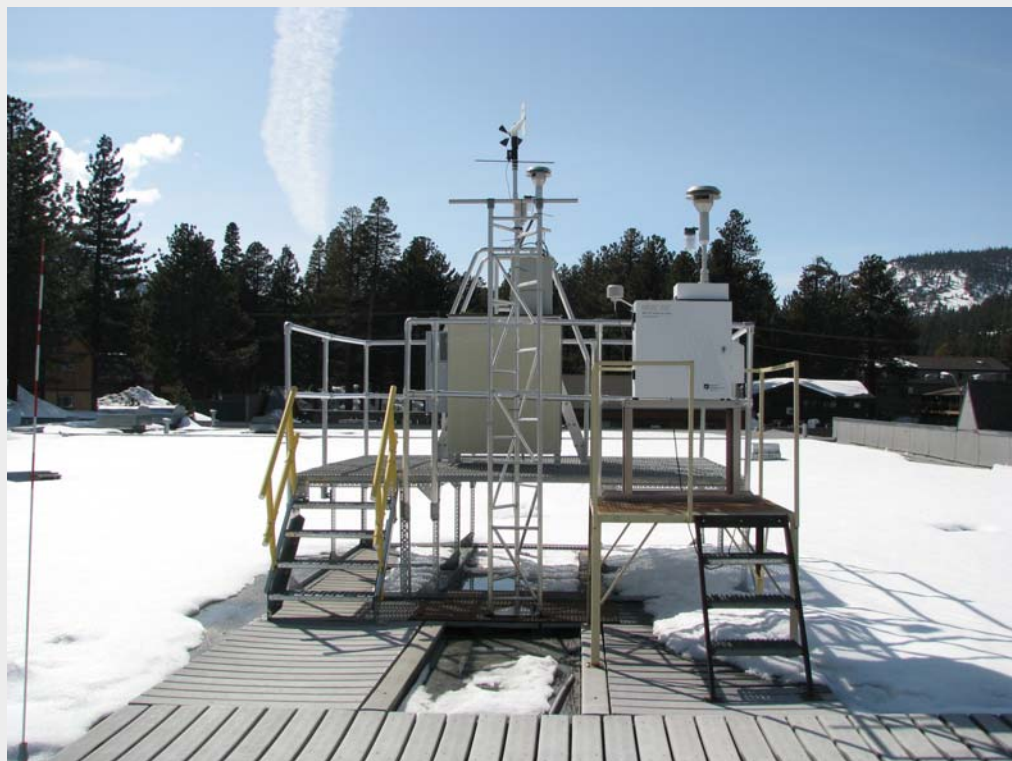
## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Mammoth FDMS**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Mill**

Site Number:	1013	TEOM Installed?:	No		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Dan Johnson	UTM X:	423666
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4035140

Location:	2 miles south of Keeler		
Address:	East shore Owens Lake, CA		
Distance to Road:	0.4 km to Hwy 190.		
Traffic Count:	TBD		
Groundcover:	Gravel		
Representative Area:	Regional		
Pollutant:	N/A		
Monitor Objective:	Local Meteorology		
Spatial Scale:	Neighborhood Scale	Start Date:	11/14/2001
Sampling Method:	N/A	Operation Schedule:	5 minute
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☒ Variable: Precipitation

☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☒ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Mill**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Mono Shore TEOM**

Site Number:	901	TEOM Installed?:	Yes		
County:	Mono	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-051	Met Installed?:	Yes		
AIRS Number:	0011	Site Operator:	Guy Davis	UTM X:	329153
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4215350

Location:	Northeast shore of Mono Lake		
Address:	Mono Lake, CA		
Distance to Road:	4.4 km		
Traffic Count:	TBD		
Groundcover:	Course sand		
Representative Area:	Beach area, Mono Lake, CA		
Pollutant:	PM-10		
Monitor Objective:	Highest Concentration		
Spatial Scale:	Neighborhood Scale	Start Date:	6/2/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	10.0 m (MET); 2.5m TEOM		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	50 meters to dune shrubs		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 10/14/2009, 3/25/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

- ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

- ☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Mono Shore TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **North Beach TEOM**

Site Number:	1017	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0029	Site Operator:	Scott Weaver	UTM X:	411283
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4044610

Location:	North shore, Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	30 meters		
Traffic Count:	TBD		
Groundcover:	gravel		
Representative Area:	North shore, Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	11/20/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	2 meters above roof; 4.4 meters AGL		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	30 meters to power pole		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☐ Variable: Temperature ☒ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☐ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

### North Beach TEOM

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Olancha 3 TEOM**

Site Number:	729	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0021	Site Operator:	Dan Johnson	UTM X:	410806
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4014080

Location:	Community of Olancha, CA		
Address:	131 WALKER CREEK RD., Olancha, CA 93549		
Distance to Road:	0.5 KM to Hwy 395		
Traffic Count:	TBD		
Groundcover:	Sand, gravel, brush		
Representative Area:	Community of Olancha		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	8/17/1995
Sampling Method:	Gravimetry	Operation Schedule:	hourly
Analysis Method:	PM10 Impactor	Sampling Season:	Year-round
Probe Height:	4.5 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	10 meters to tower		
Distance From Trees:	0.5 km		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☒ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☐ Variable: Precipitation ☒ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Olancha 3 TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Portable-1 TEOM**

Site Number:	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079	
FIPS Code:	06-027	Met Installed?:	No	
AIRS Number:	Site Operator:	Valerie Thorp	UTM X:	
Current:	No	Collecting Agency:	GBUAPCD	UTM Y:

Location:	Variable, short (3-day periods) monitoring of source areas on Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	variable		
Traffic Count:	N/A		
Groundcover:	varies depending on location		
Representative Area:	Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Highest concentration		
Spatial Scale:	Neighborhood scale	Start Date:	1/1/2009
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	2.4 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Upon installation and removal		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☐ Variable: Temperature ☐ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☐ Variable: Wind Direction  
☐ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Portable-1 TEOM**

Site Photo:

North-  
facing  
photo:

East-facing  
photo:

West-  
facing  
photo:

South-  
facing  
photo:



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Portable-2 TEOM**

Site Number:	TEOM Installed?:	Yes	
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079
FIPS Code:	06-027	Met Installed?:	Yes
AIRS Number:	Site Operator:	Dan Johnson	UTM X:
Current:	Yes	Collecting Agency:	GBUAPCD UTM Y:

Location:	Variable, short (3-day periods) monitoring of source areas on Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	variable		
Traffic Count:	N/A		
Groundcover:	Sandy crusts		
Representative Area:	Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Highest concentration		
Spatial Scale:	Neighborhood scale	Start Date:	3/23/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	2.4 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Upon installation and removal		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**Portable-2 TEOM**

Site Photo:

North-  
facing  
photo:

East-facing  
photo:

West-  
facing  
photo:

South-  
facing  
photo:



# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Shell Cut TEOM**

Site Number:	1012	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0025	Site Operator:	Steve Mobley	UTM X:	419478
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4024950

Location:	South-east shore, Owens Lake		
Address:	SHELL CUT - HIGHWAY 190 - MIDWAY BETWEEN DIRTY SOX AND FLAT ROCK, Owens Lake, CA		
Distance to Road:	164.5 meters to Hwy 190		
Traffic Count:	TBD		
Groundcover:	Dirt, sand, gravel, shrubs		
Representative Area:	South-east shore Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	1/8/2001 4:00:00 PM
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.2 meters		
Distance to Supporting Structure:	0		
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	2.6 meters (Met); 4.2 (powerline)		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/17/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☒ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Shell Cut TEOM**

Site Photo:



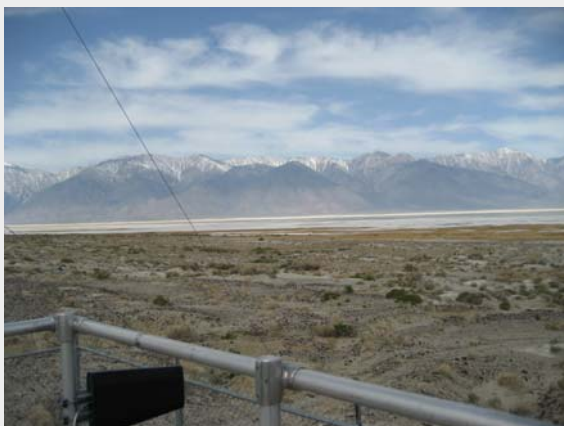
North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Simis**

Site Number:	782	TEOM Installed?:	No		
County:	Mono	Monitor Type:			
FIPS Code:	06-051	Met Installed?:	Yes		
AIRS Number:	0007	Site Operator:	Guy Davis	UTM X:	324798
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4217850

Location:	1.8 km north of Mono Lake		
Address:	SIMIS RES-HIWAY 167, MONO LAKE, CA		
Distance to Road:	475 meters to CA 167		
Traffic Count:	TBD		
Groundcover:	Sagebrush/Rabbitbrush Scrub		
Representative Area:	High Desert		
Pollutant:	N/A		
Monitor Objective:	PM10 Monitoring ended August 2008. Station used for MET only.		
Spatial Scale:	Neighborhood	Start Date:	5/21/1982
Sampling Method:	N/A	Operation Schedule:	hourly
Analysis Method:	N/A	Sampling Season:	Year-round
Probe Height:	10 meters AGL		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	N/A		
Distance From Trees:	38 meters		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	N/A		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature  
☐ Variable: Barometric Pressure  
☐ Variable: Precipitation

☒ Variable: Wind Speed  
☒ Variable: Wind Direction  
☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Simis**

Site Photo:



North-facing photo:



East-facing photo:



West-facing photo:



South-facing photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Stanley TEOM**

Site Number:	1014	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0026	Site Operator:	Scott Weaver	UTM X:	409315
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4024570

Location:	Ash Point; West side Owens Lake, CA		
Address:	BILL STANLEY SITE - OWENS LAKE, CA		
Distance to Road:	85 meters		
Traffic Count:	TBD		
Groundcover:	sand and shrubs		
Representative Area:	Southwestern shoreline of Owens Lake		
Pollutant:	PM-10		
Monitor Objective:	Source Impact		
Spatial Scale:	Neighborhood Scale	Start Date:	3/4/2002
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	19.8 meters above roof; 4.4 m AGL		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	2.1 m to tower (attached to shelter)		
Distance from Obstructions Not on Roof:	7.6 meters to power pole		
Distance From Trees:	N/A - no trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; EPA 6/16/2009, 3/23/2010		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☒ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **Stanley TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
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Site Name: **T-23 TEOM**

Site Number:	1044	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	420143
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4035210

Location:	Eastern Owens Lake Shallow Flood Area		
Address:	Owens Lake, CA		
Distance to Road:	2.4 meters to berm		
Traffic Count:	N/A		
Groundcover:	Dirt, gravel, water		
Representative Area:			
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor began April 2010.		
Spatial Scale:	Neighborhood Scale	Start Date:	3/8/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.1 meters		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	None		
Distance from Obstructions Not on Roof:	None		
Distance From Trees:	None		
Distance to Furnace or Incinerator:	None		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☐ Variable: Temperature ☐ Variable: Wind Speed  
☐ Variable: Barometric Pressure ☐ Variable: Wind Direction  
☐ Variable: Precipitation ☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **T-23 TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **T-25 TEOM - Shut down Mar 2010**

Site Number:	1041	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	420186
Current:	No	Collecting Agency:	GBUAPCD	UTM Y:	4036040

Location:	East-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	2.4 meters to berm		
Traffic Count:	TBD		
Groundcover:	Dirt, gravel, water		
Representative Area:	Central Owens Lake special purpose monitor		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor shut down March 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	4/24/2008 9:00:00 AM
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.1 meters		
Distance to Supporting Structure:	0		
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	26.0 meters (Met/DWP)		
Distance From Trees:	0		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**T-25 TEOM - Shut down Mar 2010**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **T-4 TEOM**

Site Number:	1043	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	413927
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4022240

Location:	On-lake monitor, southern portion Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	4.7 meters		
Traffic Count:	TBD		
Groundcover:	Veg, sand, large gravel, water		
Representative Area:	Southern Owens Lke		
Pollutant:	PM-10		
Monitor Objective:	Source Impact; special purpose monitor began operation April 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	2/25/2010
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.7 meters		
Distance to Supporting Structure:	0		
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	0		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	No		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **T-4 TEOM**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
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Site Name: **T-8 TEOM - Shut down Feb 2010**

Site Number:	1040	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	TEOM 1400ab, EQPM-1090-079		
FIPS Code:	06-027	Met Installed?:	No		
AIRS Number:		Site Operator:	Steve Mobley	UTM X:	414928
Current:	No	Collecting Agency:	GBUAPCD	UTM Y:	4024930

Location:	South-central Owens Lake		
Address:	Owens Lake, CA		
Distance to Road:	19.2 meters (berm)		
Traffic Count:	TBD		
Groundcover:	Veg, sand, large gravel		
Representative Area:	Southern Owens Lake special purpose monitor		
Pollutant:	PM-10		
Monitor Objective:	Source Impact, Special Purpose Monitor shut down Feb 2010.		
Spatial Scale:	Neighborhood scale	Start Date:	4/24/2008
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	4.4. meters		
Distance to Supporting Structure:	0		
Distance from Obstructions on Roof:	0		
Distance from Obstructions Not on Roof:	0		
Distance From Trees:	No trees		
Distance to Furnace or Incinerator:	0		
Distance Between Collocated Monitors:	0		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	N/A		
Suitable comparison against annual PM2.5?:	N/A		
Frequency of flow rate verification for manual PM sampler audit:	N/A		
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; quarterly by District Auditor		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables:

☐ Variable: Temperature

☐ Variable: Barometric Pressure

☐ Variable: Precipitation

☐ Variable: Wind Speed

☐ Variable: Wind Direction

☐ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **T-8 TEOM - Shut down Feb 2010**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:





# GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name: **WMRS-OVL FDMS**

Site Number:	695	TEOM Installed?:	Yes		
County:	Inyo	Monitor Type:	PM10 TEOM 1400 ab/8500c FDMS - not a reference monitor		
FIPS Code:	06-027	Met Installed?:	Yes		
AIRS Number:	0002	Site Operator:	Valerie Thorp	UTM X:	382287
Current:	Yes	Collecting Agency:	GBUAPCD	UTM Y:	4135660

Location:			
Address:	3000 E. LINE ST., BISHOP, CA. 93514		
Distance to Road:	150 m		
Traffic Count:	TBD		
Groundcover:	Decomposed granite		
Representative Area:	Owens Valley		
Pollutant:	PM10		
Monitor Objective:	Background Level		
Spatial Scale:	Regional	Start Date:	4/7/2006
Sampling Method:	PM-10 Impactor	Operation Schedule:	hourly
Analysis Method:	Gravimetry	Sampling Season:	Year-round
Probe Height:	10m (met); 5m (inlet)		
Distance to Supporting Structure:	N/A		
Distance from Obstructions on Roof:	N/A		
Distance from Obstructions Not on Roof:	3 meters to met tower		
Distance From Trees:	N/A		
Distance to Furnace or Incinerator:	N/A		
Distance Between Collocated Monitors:	N/A		
Unrestricted Airflow:	360		
Probe Material:	N/A		
Residence Time:	N/A		
Will there be a change in 18 months?:	Yes		
Suitable comparison against annual PM2.5?:	No		
Frequency of flow rate verification for manual PM sampler audit:			
Frequency of flow rate verification for automated PM analyzers audit:	Bi-weekly by Station Operator; Not in operation for EPA Audits; Quarterly District Audits		
Frequency of one-point QC check (gaseous):	N/A		

Meteorological Variables: ☒ Variable: Temperature ☒ Variable: Wind Speed  
☒ Variable: Barometric Pressure ☒ Variable: Wind Direction  
☐ Variable: Precipitation ☒ Variable: Relative Humidity



## GBUAPCD Site Report

Great Basin Unified Air Pollution Control District  
157 Short Street  
Bishop, CA 93514  
760.872.8211 / <http://www.gbuapcd.org>

Site Name:

**WMRS-OVL FDMS**

Site Photo:



North-  
facing  
photo:



East-facing  
photo:



West-  
facing  
photo:



South-  
facing  
photo:

